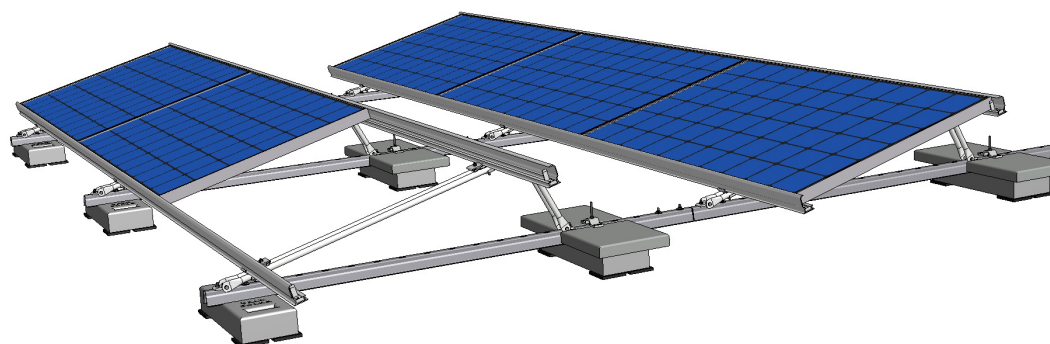




Van der Valk Solar Systems
TRACKING AND FIXED SOLAR MOUNTING SYSTEMS

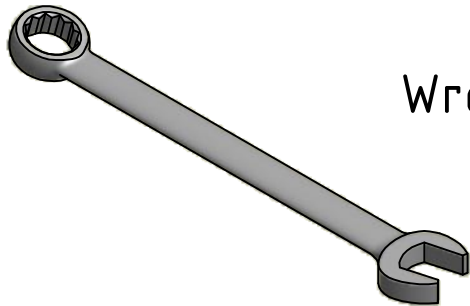
Installation manual Flat Roof Insert System

Use in combination with installation manual 1-2-3 PV Planner





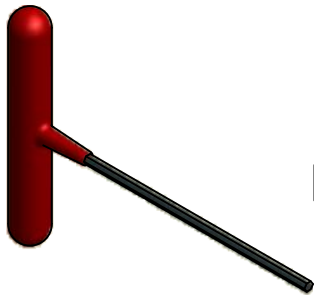
Necessary Tools For Van der Valk Flat Roof Insert System



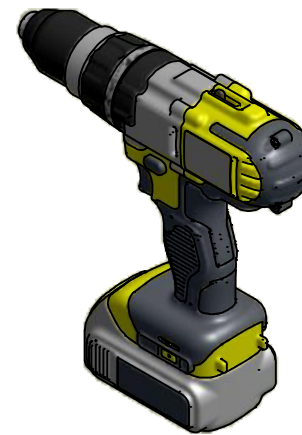
Wrench 13



Socket 13



Hex key 3



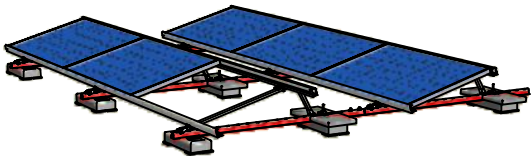
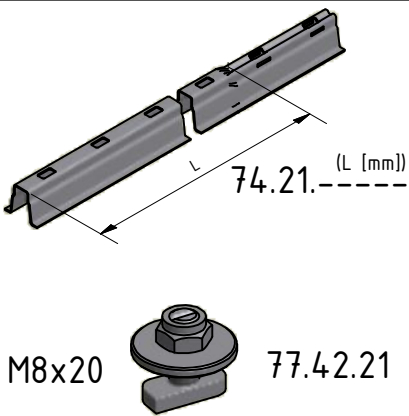
Cordless drill
(for socket 13)

Mounting of the Roof carrier profile

VAN DER VALK



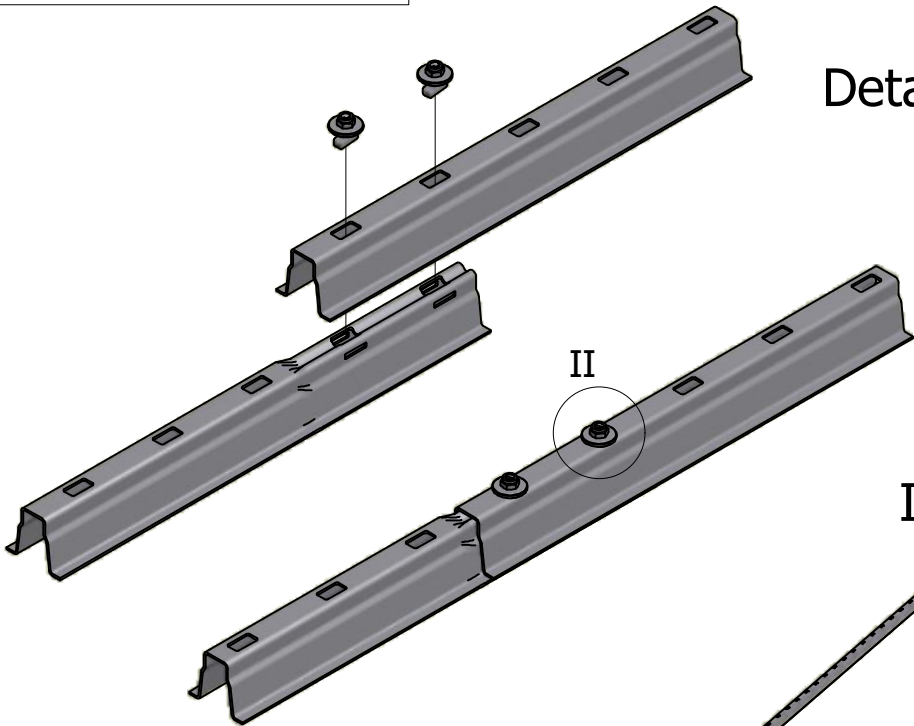
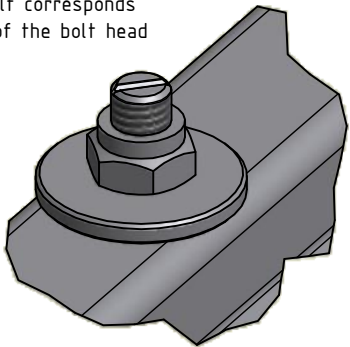
Flat Roof Insert



Detail I

Detail II

The groove of the bolt corresponds with the orientation of the bolt head



I

I

I

Mounting of the front Mass block

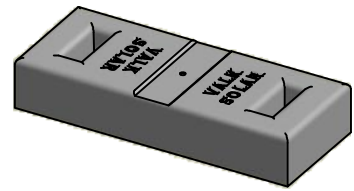
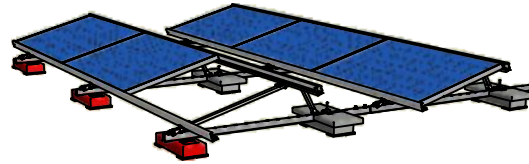
Type 1
Mass Block

VAN DER VALK



SOLAR SYSTEMS

Flat Roof Insert

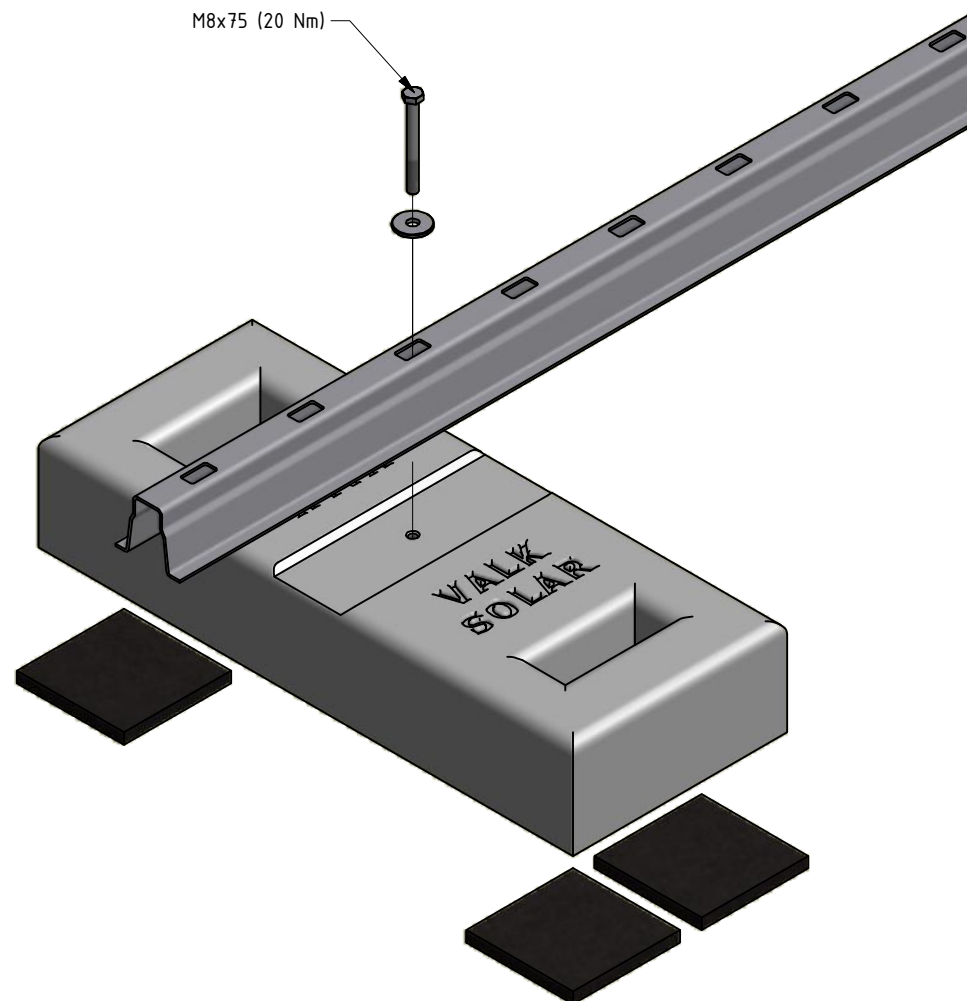


75.05.20

M8x75 77.40.75

M8 77.40.08

72.96.10



M8x75 (20 Nm)

Mounting of the Mass blocks

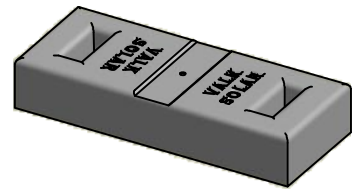
Type 1
Mass Block

VAN DER VALK



SOLAR SYSTEMS

Flat Roof Insert



75.05.20

M8x170

74.79.70



M8

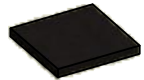


77.40.06

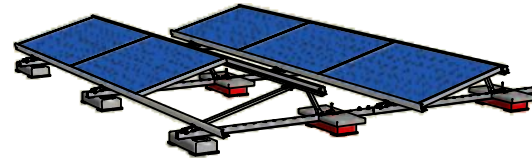
M8



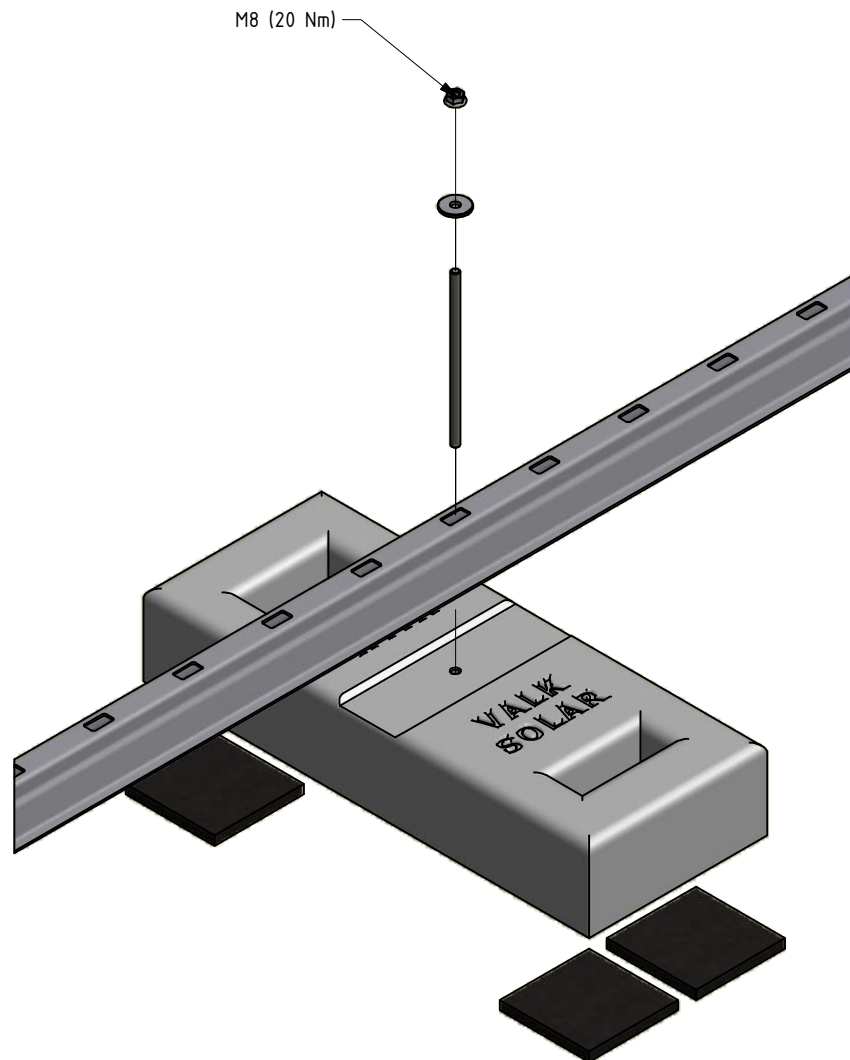
77.40.08



72.96.10



M8 (20 Nm)





72.51.40

M8



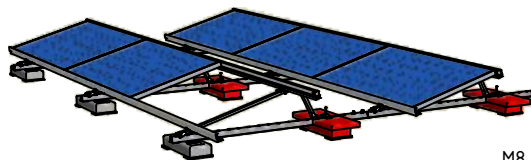
77.40.06

Not included

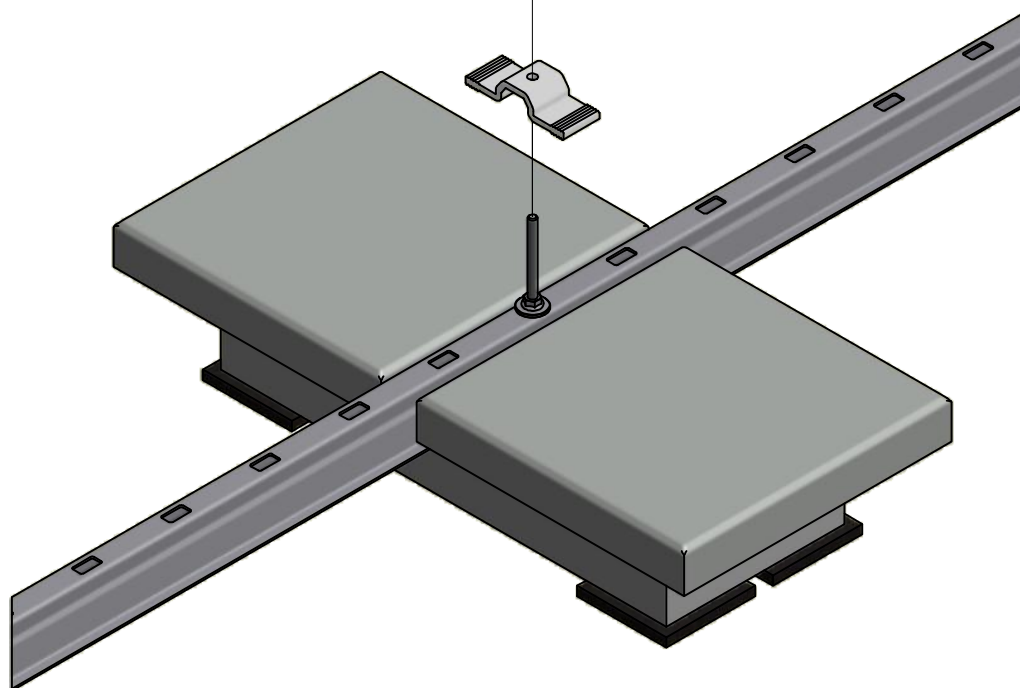


tile

Mounting of the Mass blocks



M8 (20 Nm)



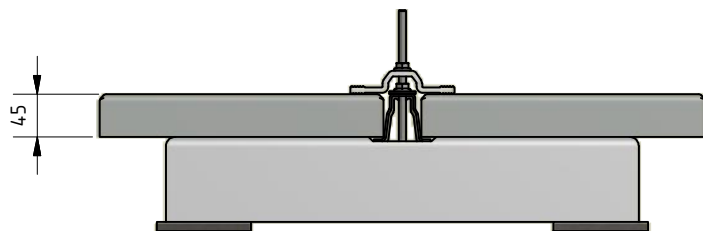
Type 1
Mass Block

VAN DER VALK

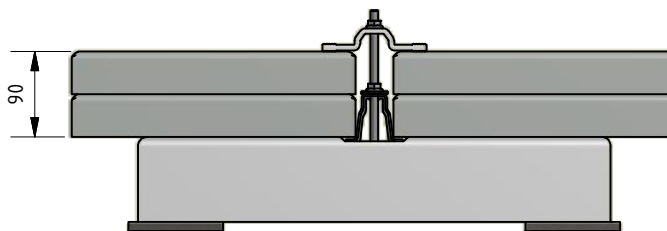


SOLAR SYSTEMS

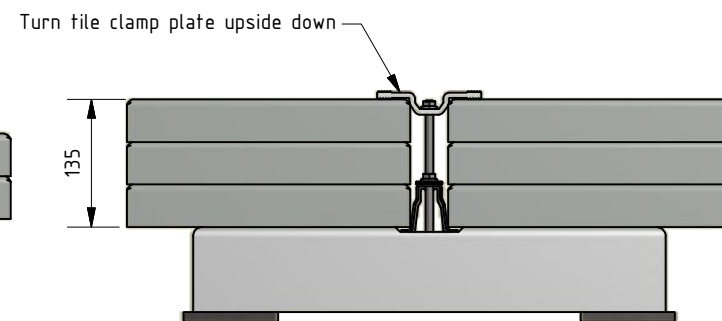
Flat Roof Insert



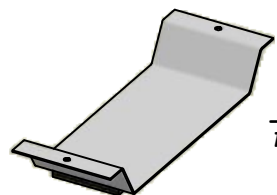
2 extra tiles



4 extra tiles



6 extra tiles



72.49.56



77.40.75

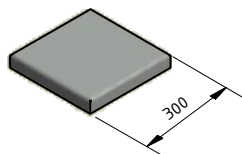


77.40.08



77.40.06

Not included



tile

Mounting of the front Foundation plate



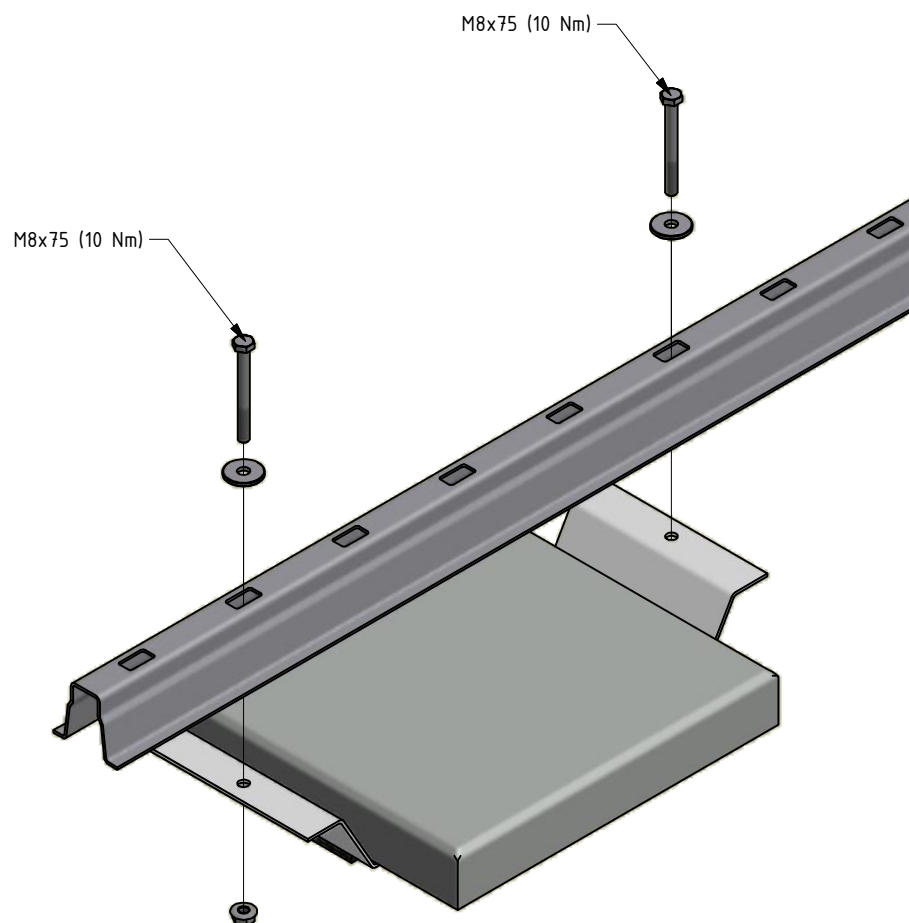
Type 2
Foundation plate

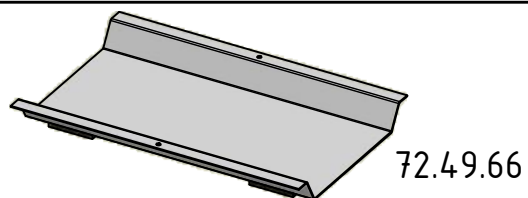
VAN DER VALK



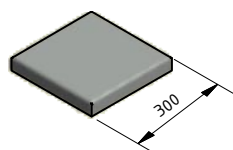
SOLAR SYSTEMS

Flat Roof Insert





Not included



tile

Mounting of the Foundation plate



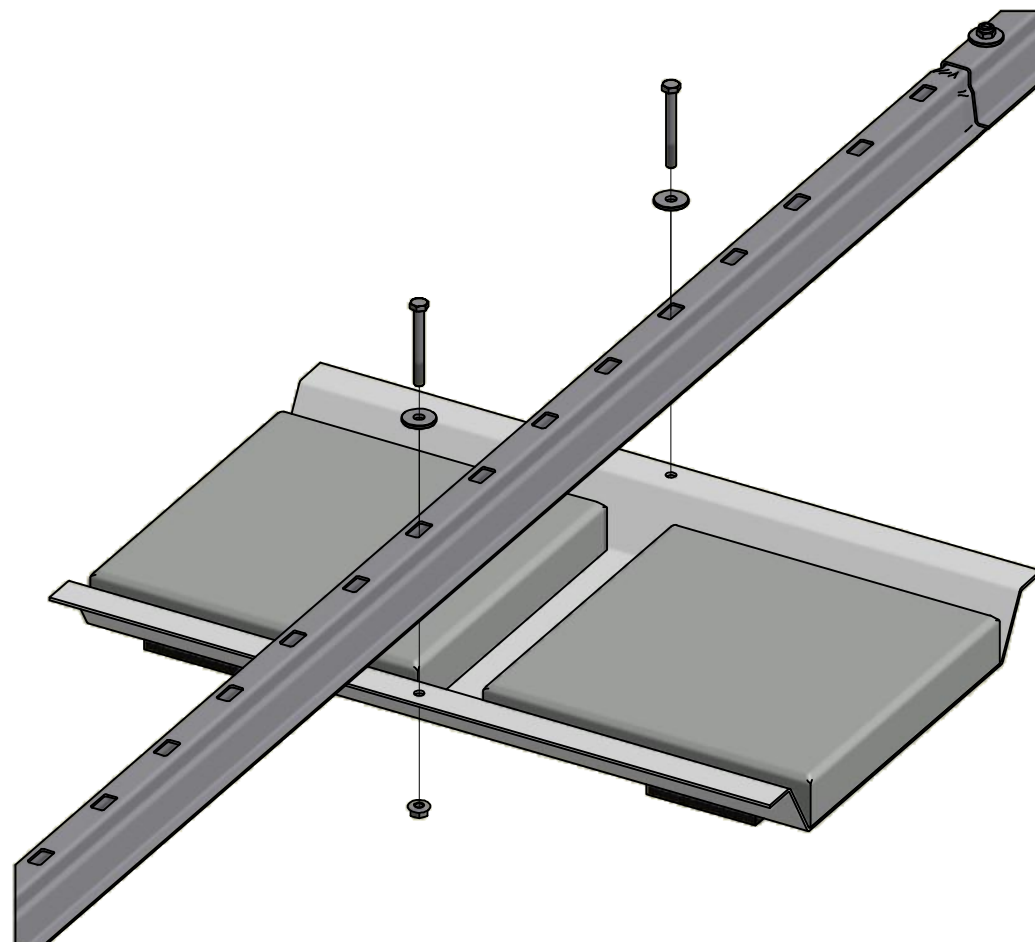
Type 2
Foundation plate

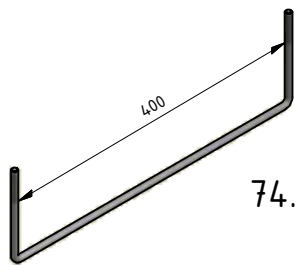
VAN DER VALK



SOLAR SYSTEMS

Flat Roof Insert





74.79.40

M8

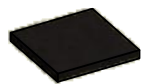


77.40.05

M8

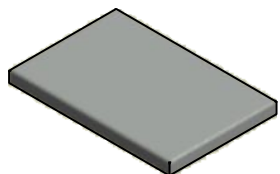


77.40.08



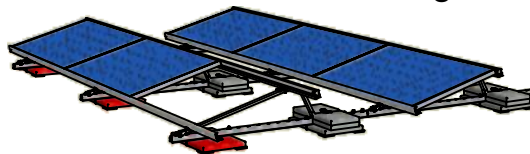
72.96.10

Not included



tile

Mounting of the front Tile bracket



M8 (10 Nm)

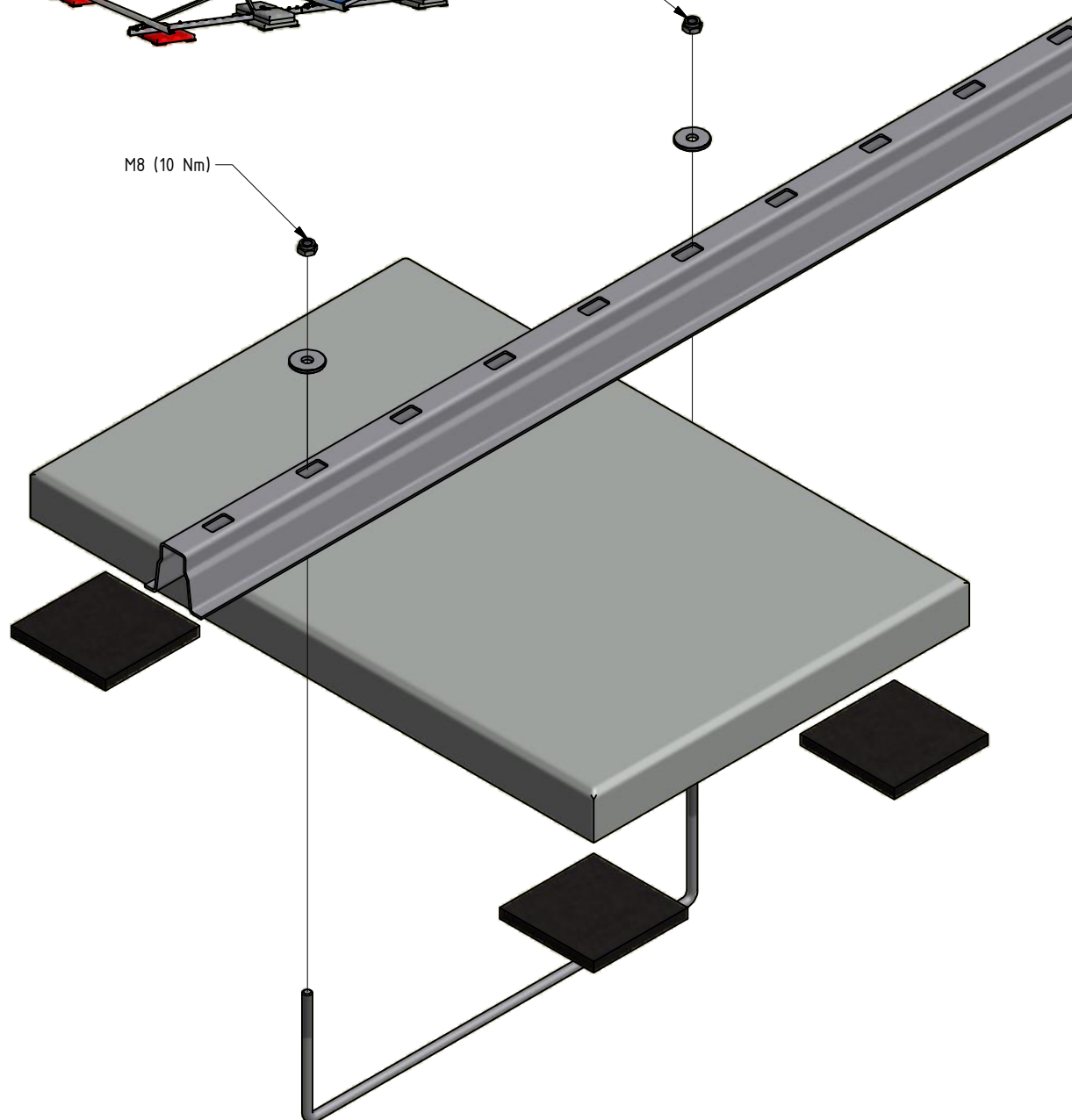
Type 3 Tile Bracket

VAN DER VALK



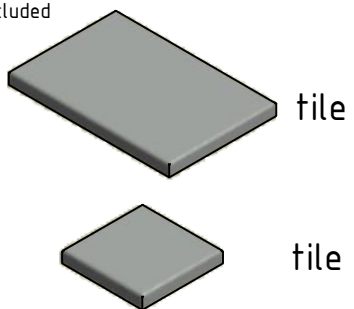
SOLAR SYSTEMS

Flat Roof Insert

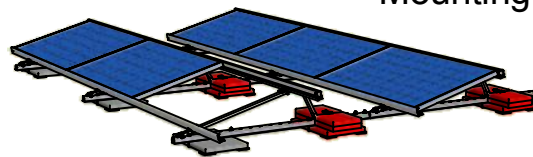


- 400
- 72.51.40
- M8x45 77.42.45
- M8 77.40.06
- M8 77.40.08
- 72.96.10

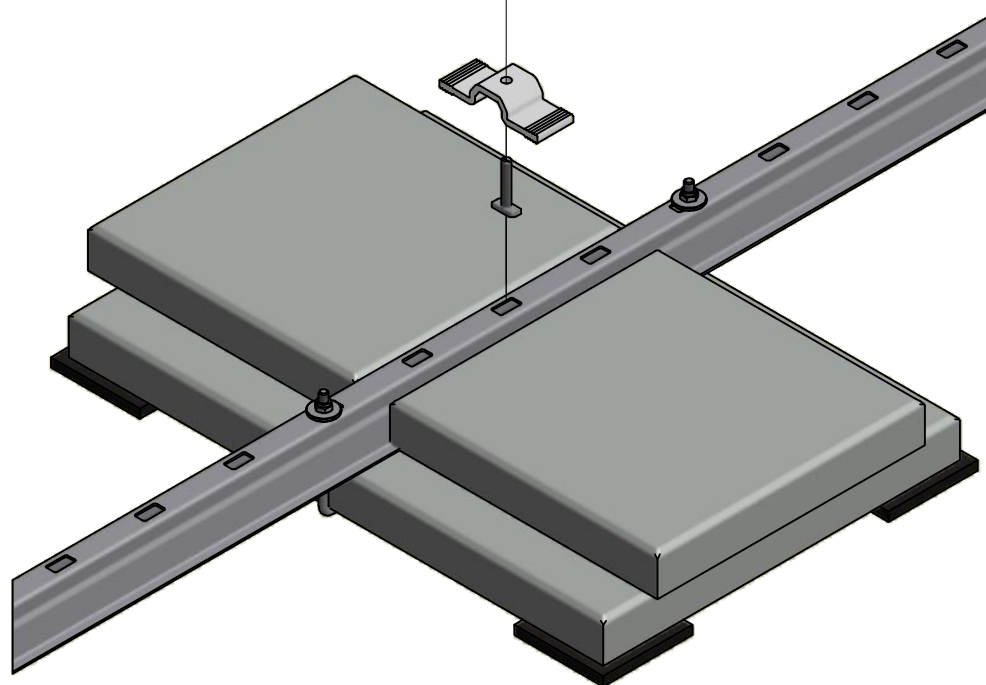
Not included



Mounting of the tile bracket



M8 (20 Nm)



Type 3 Tile Bracket

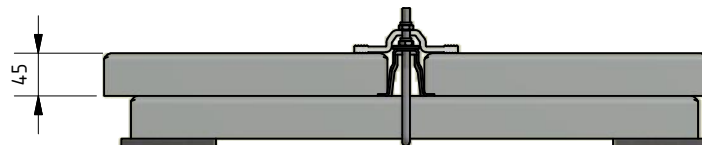
VAN DER VALK



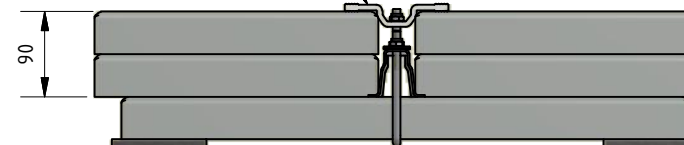
SOLAR SYSTEMS

Flat Roof Insert

Turn tile clamp plate upside down



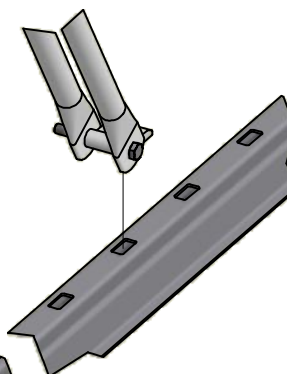
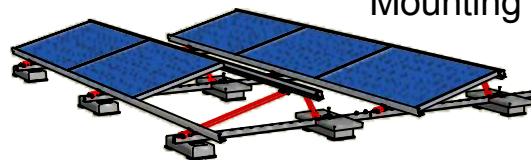
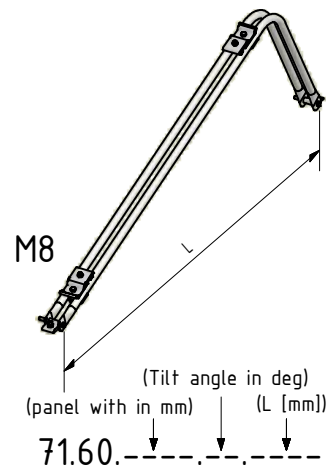
2 extra tiles



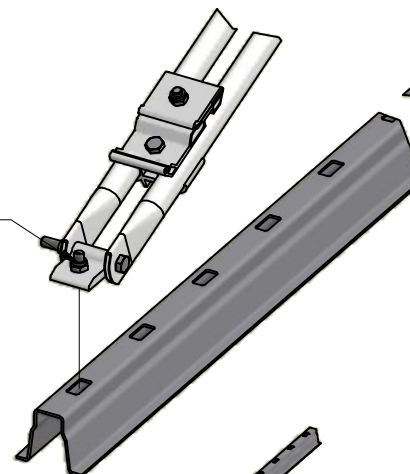
4 extra tiles



Mounting of the A-Frame

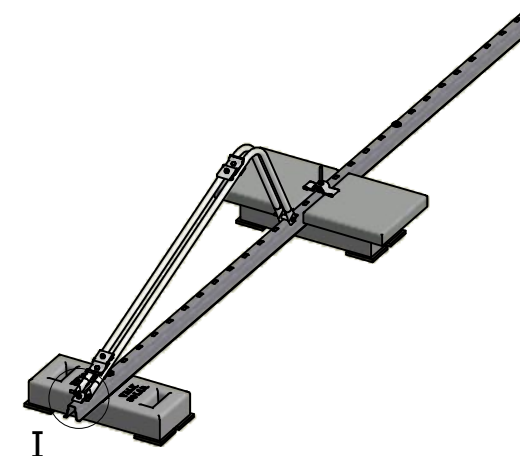
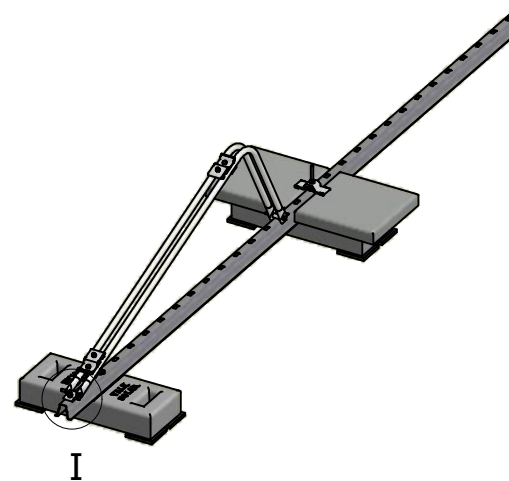
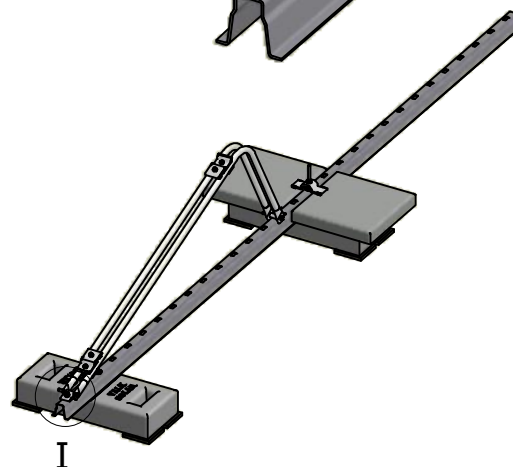
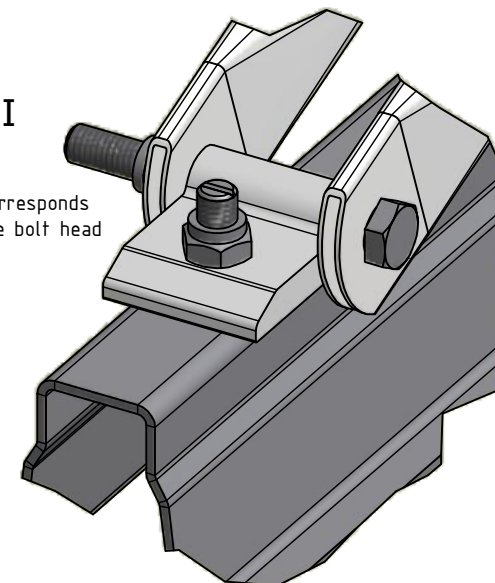


M8x25 (20 Nm)



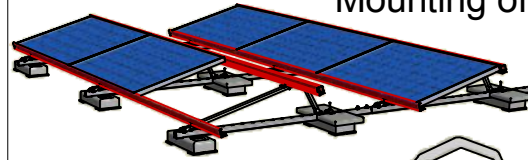
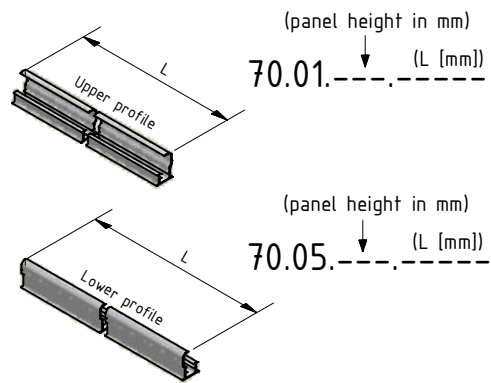
Detail I

The groove of the bolt corresponds with the orientation of the bolt head

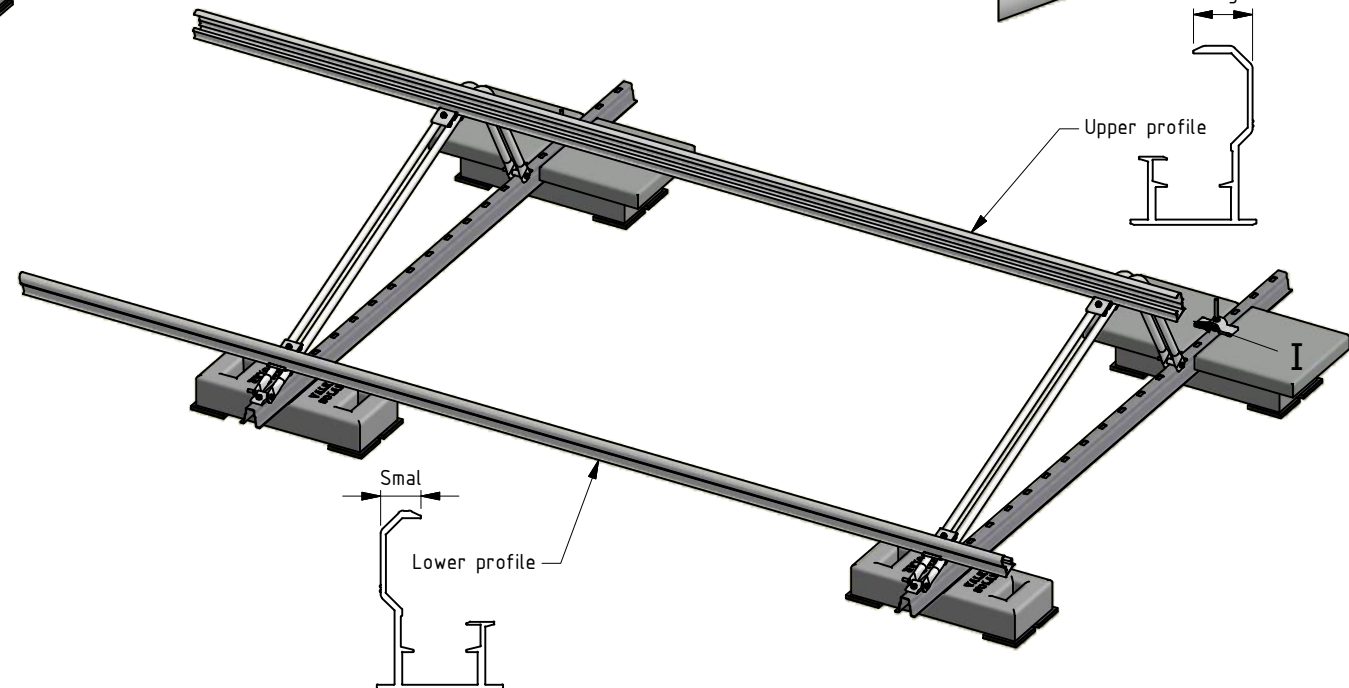
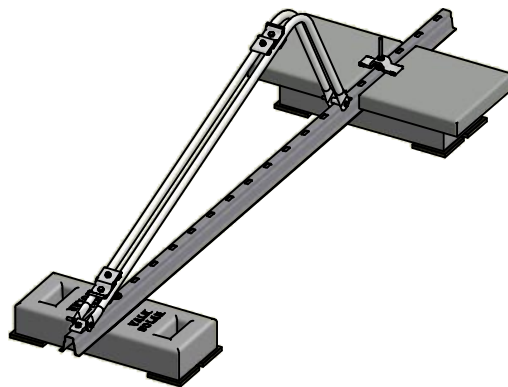
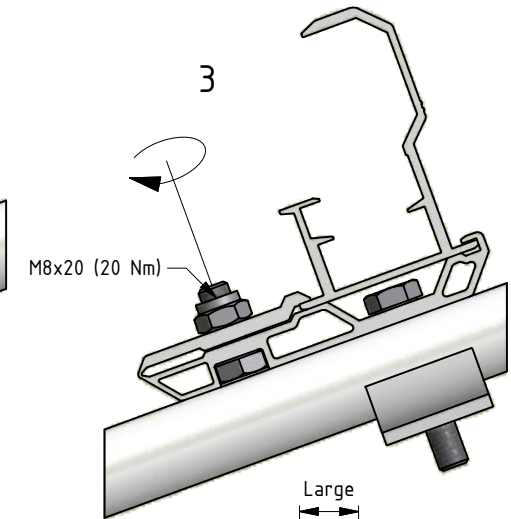
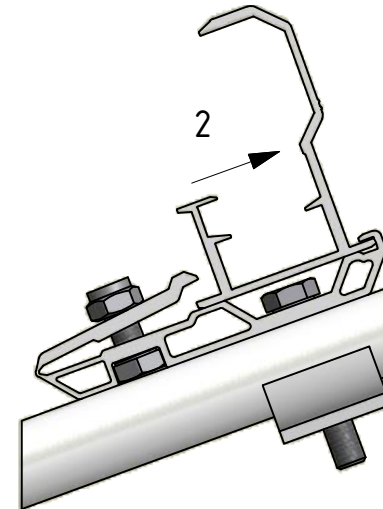
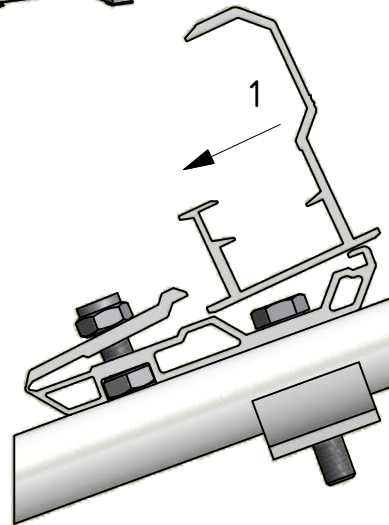




Mounting of the Insert profile



Detail I



Coupling of the Insert profile

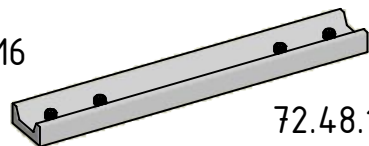
VAN DER VALK



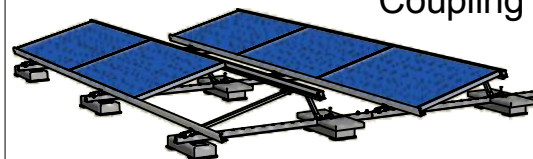
SOLAR SYSTEMS

Flat Roof Insert

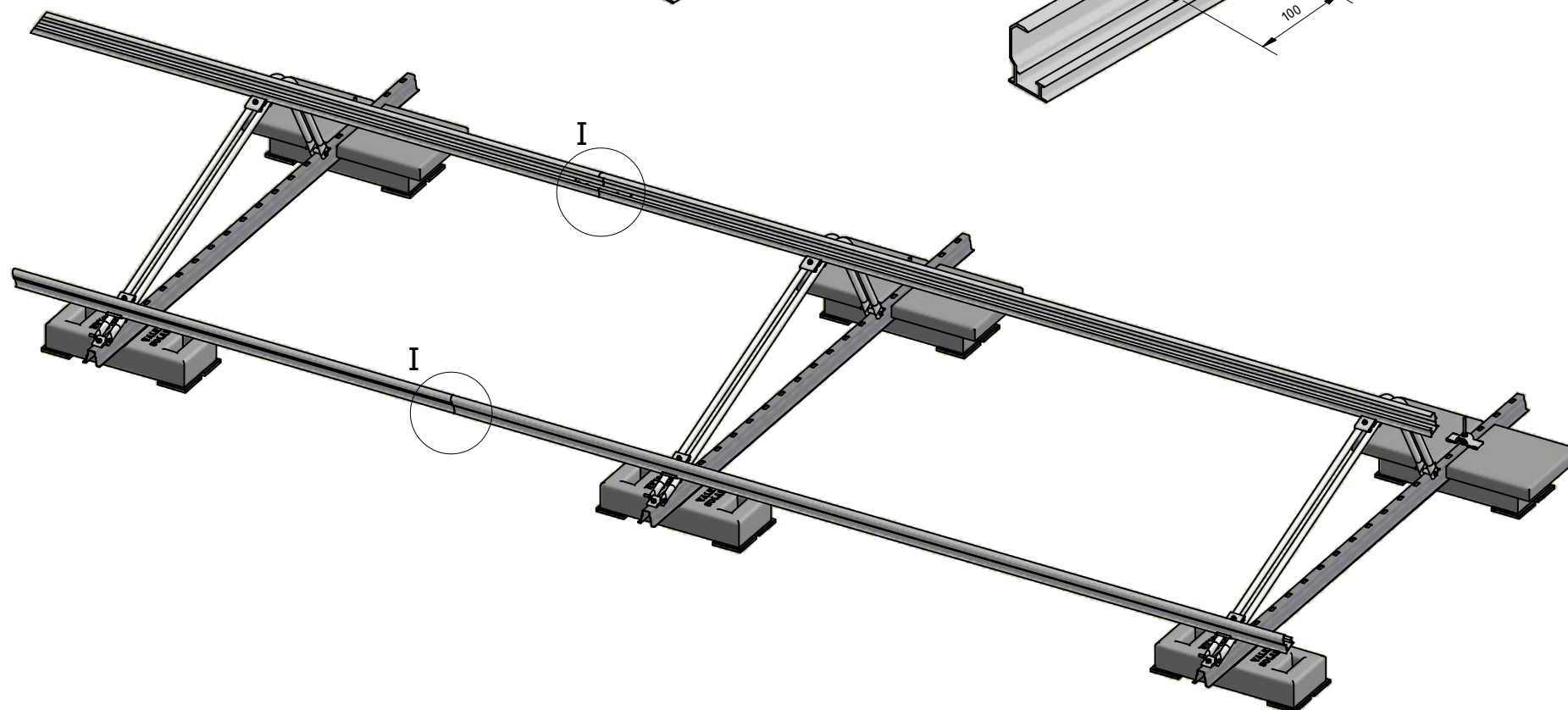
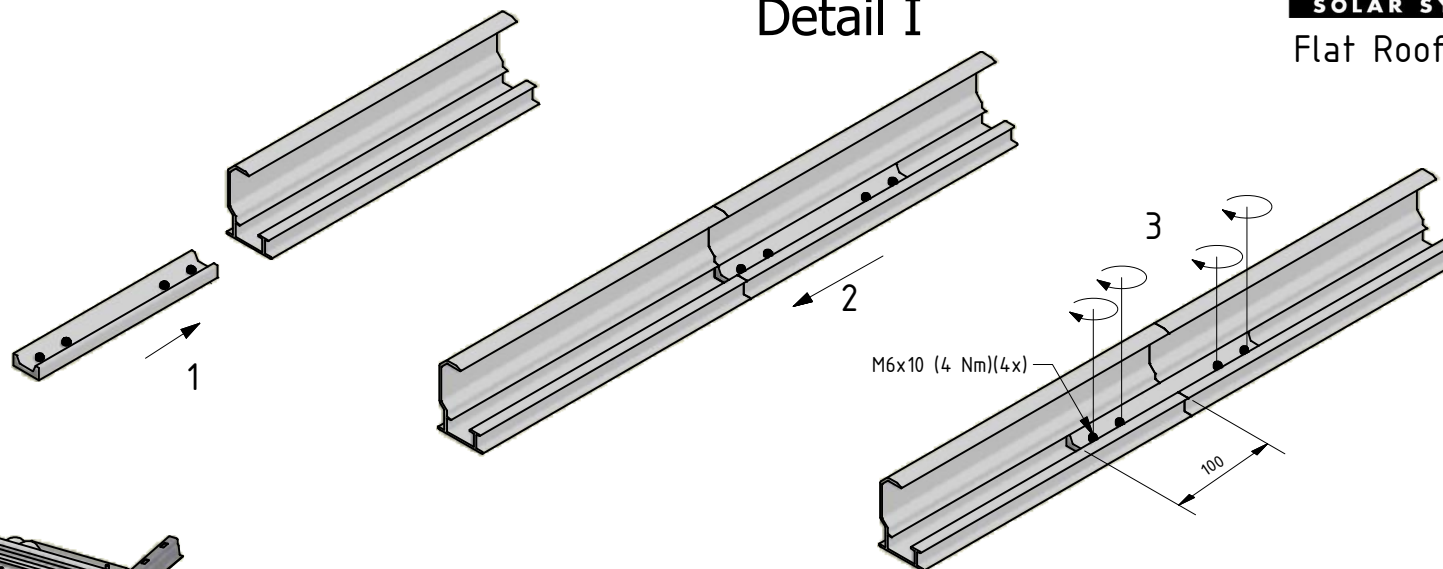
M6



72.48.10



Detail I



M6



72.48.20

Mounting of the End piece



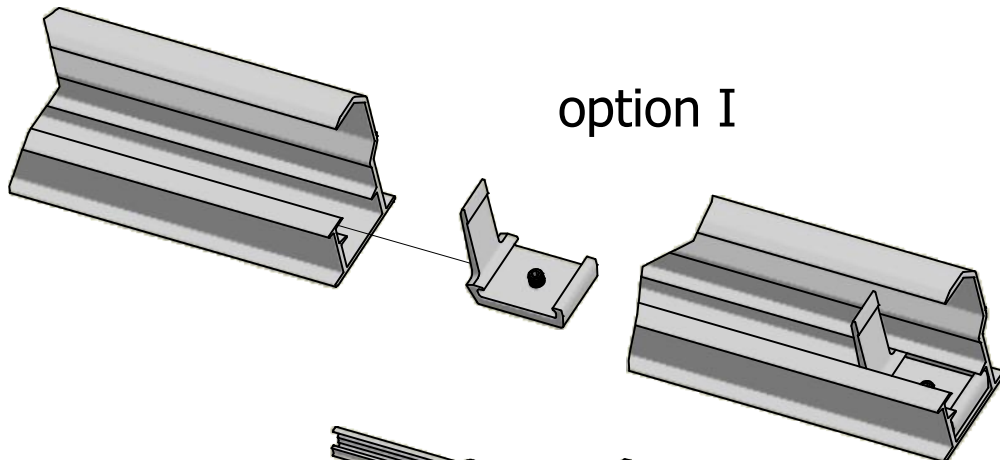
VAN DER VALK



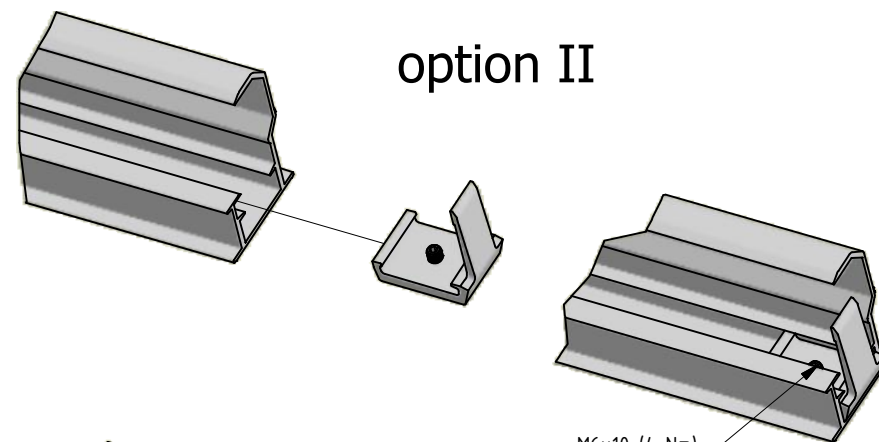
SOLAR SYSTEMS

Flat Roof Insert

option I

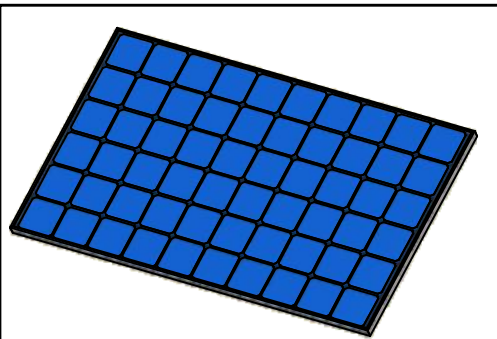


option II

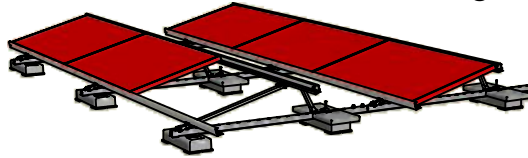


M6x10 (4 Nm)





Mounting of the solar panels



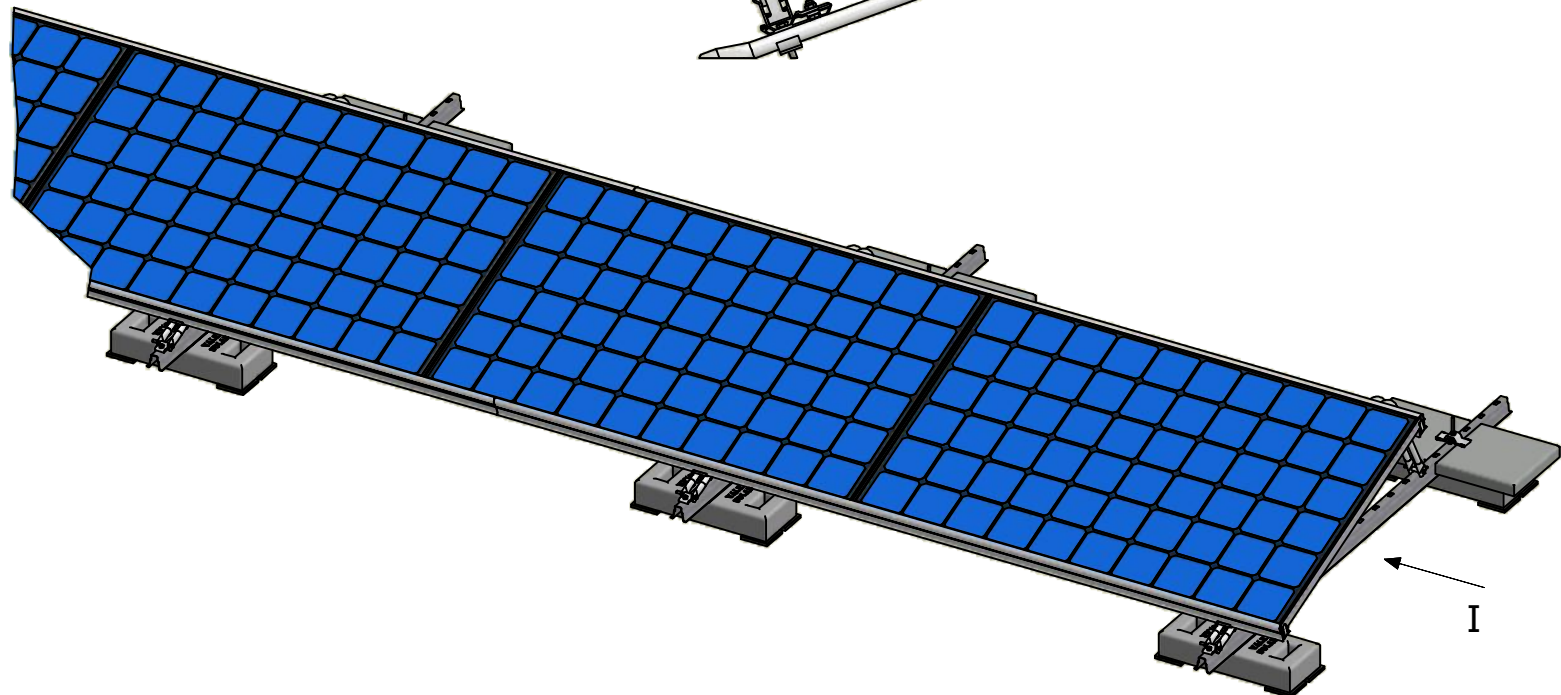
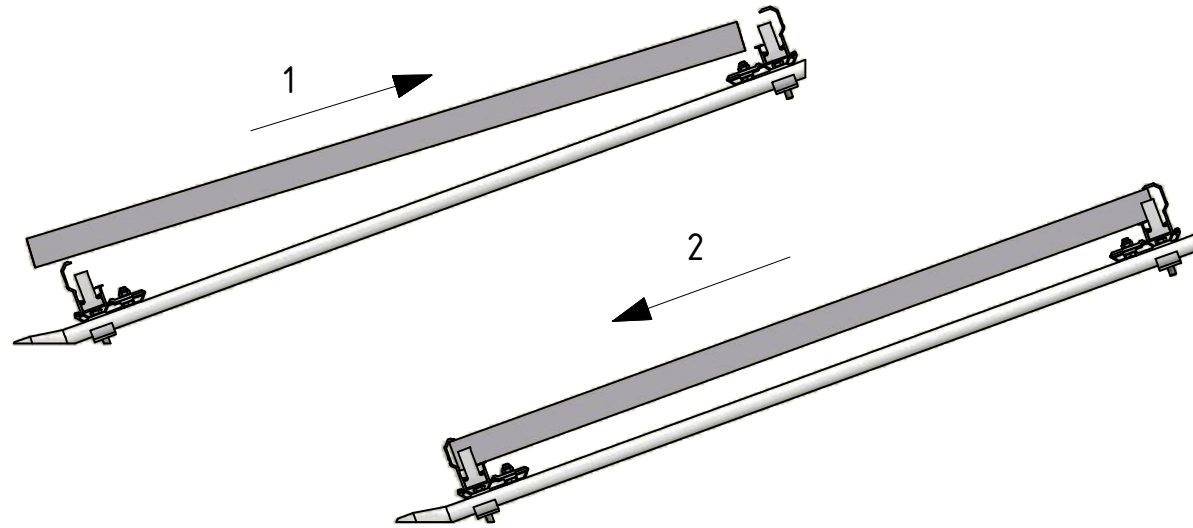
Detail I
(mounting the solar panels)

VAN DER VALK



SOLAR SYSTEMS

Flat Roof Insert



Van der Valk Solar Systems

Van der Valk Solar Systems is a specialist company that is fully focused on developing and producing mounting systems for use with solar panels. To this end we work in close collaboration with Van der Valk Systemen, our sister company.

Van der Valk Systemen has been a well-known name in the field of moving systems and stationary components for the greenhouse horticultural sector and industry throughout the world since 1963. Van der Valk Systemen's high quality products have been individually developed from a scientific approach and produced with mathematical precision. They are made to be low-maintenance and to stand out thanks to their durability, reliability, functionality and ease of assembly.

Both Van der Valk Systemen and Van der Valk Solar Systems only introduce innovative products to the market. Our shared business complex consists of 20,000 m² of offices and production facilities, in which modern machinery and the latest technologies facilitate development, manufacturing and testing that is fast, flexible and precise.

We develop and produce solar mounting systems for:



Open fields Pitched roofs Flat roofs Greenhouses Water features



PLEASE CONTACT VAN DER VALK SOLAR SYSTEMS, YOUR INSTALLATION COMPANY OR PROJECT ORGANISATION FOR FULL INFORMATION.